

NATURAL GRADES

Grade	MFI g/10 min	Processing Method	Features	Typical Applications
<i>FILMS</i>				
b-J53-10	10	<ul style="list-style-type: none"> • Film extrusion 	<ul style="list-style-type: none"> • Excellent drawability • Good extrudability • High stiffness • High tensile strength • Good toughness 	<ul style="list-style-type: none"> • General purpose thin films • T-shirt bags, grocery sacks and liners
J53-08 N2000	8	<ul style="list-style-type: none"> • Film extrusion 	<ul style="list-style-type: none"> • Bimodal HDPE • Excellent drawability • Good extrudability and bubble stability • High tensile strength • Very high stiffness • Excellent toughness 	<ul style="list-style-type: none"> • Production of very thin film produced at high line speed • Downgauging in all thin film applications
<i>BLOW MOULDING</i>				
B53-35H-011	0.35	<ul style="list-style-type: none"> • Blow moulding 	<ul style="list-style-type: none"> • Easy processing • High top load resistance • Good environmental stress cracking resistance (ESCR) • Good impact strength • Meets FDA requirements of 21CFR.1520 	<ul style="list-style-type: none"> • Household chemicals, pharmaceutical and cosmetic containers
ZBM58-30HS	0.3	<ul style="list-style-type: none"> • Blow moulding 	<ul style="list-style-type: none"> • Bimodal HDPE • High rigidity • Outstanding environmental stress cracking resistance • High impact strength • Easy processing • Medium die swell 	<ul style="list-style-type: none"> • Blow moulded containers up to 30 liters capacity for packaging chemicals, most household products oils, foodstuffs and pharmaceuticals • Sheet extrusion

b-HM5411EA	10	<ul style="list-style-type: none"> • Large Blow moulding 	<ul style="list-style-type: none"> • Very high environmental stress crack resistance • Good rigidity • High melt strength • High impact strength 	<ul style="list-style-type: none"> • High performance blow moulded containers typically of 1-60 liters capacity for packaging aggressive products • Robust industrial and technical mouldings
HM4560UA	6	<ul style="list-style-type: none"> • Large Blow moulding 	<ul style="list-style-type: none"> • Excellent environmental stress crack resistance (ESCR) • High melt strength • High impact strength • Excellent chemical resistance • Excellent weathering resistance 	<ul style="list-style-type: none"> • High performance blow moulded containers up to 5000 liters capacity for packaging aggressive products. Resistant to UV induced degradation.
INJECTION MOULDING				
T60-800	8.5	<ul style="list-style-type: none"> • Injection moulding 	<ul style="list-style-type: none"> • High rigidity • Good impact strength • Meets FDA requirements of 21CFR 177.1520 	<ul style="list-style-type: none"> • Crates • Recycle • Bins • Hardhats • General purpose injection moulding
T50-2000	20	<ul style="list-style-type: none"> • Injection moulding 	<ul style="list-style-type: none"> • High processability • High gloss • Reasonably good impact strength and rigidity balance • Meets FDA requirements of 21CFR 177.1520 	<ul style="list-style-type: none"> • Caps and closures • Toys • Housewares • General purpose
ZIM53-08	0.8	<ul style="list-style-type: none"> • Injection moulding 	<ul style="list-style-type: none"> • Outstanding ESCR • Excellent impact strength • Good processability (MI 2 look alike viscosity) 	<ul style="list-style-type: none"> • Technical moulding • Caps and closures
BLACK GRADES				

Grade	MFI g/10 min	Processing Method	Features	Typical Applications
<i>PIPE</i>				
INpipe100 SR	0.29	<ul style="list-style-type: none"> • Pipe extrusion 	<ul style="list-style-type: none"> • Bimodal Black HDPE • Exceptional environmental stress crack resistance • High stiffness • High impact strength (Rapid Crack Propagation) • Good processability 	<ul style="list-style-type: none"> • Classified PE100 in accordance with ISO 12162 based on ISO 9080 analysis. PE 100 compounds are usually used for water & gas transportation as described in ISO 4427 and 4437 respectively • Classified PE100RC in accordance with PAS1075 and is suitable for sandless laying and no dig trenchless techniques
b-TUB171	0.85	<ul style="list-style-type: none"> • Pipe extrusion 	<ul style="list-style-type: none"> • Black MDPE • Good environmental stress crack resistance • Good flexibility (coilability) • Good processability 	<ul style="list-style-type: none"> • Classified PE 80 in accordance with ISO 12162 based on ISO 9080 analysis. PE 80 compounds are usually used for water & gas transportation as described in ISO 4427 and 4437 respectively.
TUB121N3000	0.3	<ul style="list-style-type: none"> • Pipe extrusion 	<ul style="list-style-type: none"> • Bimodal Black HDPE • Outstanding environmental stress crack resistance • High stiffness • High impact strength (Rapid Crack Propagation) • Good processability 	<ul style="list-style-type: none"> • Classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis. PE 100 compounds are usually used for water & gas transportation as described in ISO 4427 and 4437 respectively.