

Polyfort POLYTROPE CB 508-31 BLACK

LyondellBasell Industries - Thermoplastic Polyolefin Elastomer

General Information

Product Description

Polytrope CB 508-31 is an Injection Molding Reactor Grade Olefinic Thermoplastic Elastomer (TPO). Ethylene Propylene Alloy. This product has excellent low temperature impact properties and flow characteristics suitable for molding large part.

General

Features	<ul style="list-style-type: none"> • Good Flow • Low Temperature Impact Resistance
Appearance	<ul style="list-style-type: none"> • Colors Available
Processing Method	<ul style="list-style-type: none"> • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.892		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2470	psi	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Flexural Modulus	79800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-22°F)	320	in-lb	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	131	°F	ASTM D648
Brittleness Temperature	-58.0	°F	ASTM D746