



TR571

Polyethylene Product

Product Description

TR571 is a polyethylene product suitable for blow molding. This material is polymerized with a chromium catalyst and it is designed for large blow molded parts that require ESCR, impact resistance, chemical resistance. It is 220L L-ring drums, open top drums, industrial tanks.

Product Characteristic

Test Method Used	ASTM	
Features	Impact resistance	Chemical resistance
Typical Customer Applications	220L L-ring drums	Open top drums

Typical Properties

Physical	Test Method	Unit	Value
Melt Flow Rate (21.6 kg @190°C)	ASTM D1238	g/10min	2.5
Density	ASTM D1505	g/cm ³	0.953
Mechanical	Test Method	Unit	Value
Tensile strength @ Yield	ASTM D638	MPa	27
Tensile Elongation @ 23°C	ASTM D638	%	700
Flexural Modulus(13mm/min)	ASTM D790	MPa	1300
ESCR (Condition B, 100% Igepal, F50)	ASTM D1693	hr	300
Brittleness Temperature	ASTM D746	°C	<-75
Shore D	ASTM D2240	-	63
Thermal	Test Method	Unit	Value
Vicat	ASTM D1525	°C	128

Notes: Results may vary depending on environmental conditions and /or devices.

Processing Recommendation

The actual conditions depends on the type of equipment used.

Blow Molding

TR571 is easy to process with standard Blow molding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 80°C. Following molding parameters should be used as guidelines:

Blow Molding Temperature	190 – 230 °C
Extrusion Melt Temperature	190 – 230 °C

Storage

This material should be stored in dry conditions, protected from sunlight and at temperatures below 50 °C.

Contact

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