POLIMAXX RO1760

High Density Polyethylene

IRPC Public Company Limited

Message:

RO1760 is a High Density Polyethylene resin for injection molding with high impact strength, excellent surface appearance and good rigidity contain UV stabilizer additive. It is suitable for cap and closure for excellent organoleptic. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information			
Additive	UV stabilizer		
Features	Excellent Organoleptic Properties Rigid, good Impact resistance, high Compliance of Food Exposure Excellent appearance		
Uses	Shield Shell		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.957	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	6.0	g/10 min	ASTM D1238
190°C/5.0 kg	18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	9.00	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	66		DIN 53505
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	29.5	MPa	ASTM D638
Fracture	15.0	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	DIN 53453
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ASTM D1525
Injection	**Nominal Value**	**Unit**	

Processing (Melt) Temp	200 - 260	°C

Recommended distributors for this material

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