TOTAL Polypropylene PPC 4252

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 4252 is a 1.5 melt flow rate impact copolymer designed for improved toughness and high melt strength. This resin offers outstanding processability in combination with excellent mechanical properties. Total Polypropylene 4252 was specifically developed for the extruded corrugated cardboard market.
High Purity. Low catalyst residues in TOTAL Polypropylene 4252 allow extended processing runs without screen pack pluggage.
FDA. TOTAL Polypropylene 4252 complies with all applicable FDA regulations for food contact applications.
Recommended Applications. TOTAL Polypropylene 4252 is recommended for corrugated sheet, profile extrusion, blow molding, thermoforming, and slit film for carpet backing applications.

General Information	
Features	Food Contact Acceptable Good Melt Strength Good Processability Good Toughness High Purity Impact Copolymer
Uses	Blow Molding Applications Carpet Backing Corrugated Sheet Film Profiles
Agency Ratings	FDA Food Contact, Unspecified Rating
Processing Method	Blow Molding Extrusion Profile Extrusion Sheet Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	6.5	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Melting Temperature	160 to 165	°C	Internal Method
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	204 to 260	°C	

Recommended distributors for this material

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