

Total Petrochemicals Polypropylene 4252 is a 1.5 melt flow rate impact copolymer designed for improved toughness and high melt strength. This experimental 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.

Processing. TOTAL Polypropylene 4252 processes on conventional extrusion equipment with typical melt temperatures of 400-500°F (204-260°C). Call the nearest TOTAL Petrochemicals sales office for additional information.

<u>Resin Properties</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	1.5	D-1238
Density, g/cm ³	0.905	D-1505
Melting Point, °C	160-165	TOTAL Method
<u>Mechanical Properties</u>⁽¹⁾		
Tensile, Strength at Yield, psi (M Pa)	4,000 (28)	D-638
Elongation at Yield, %	6.5	D-638
Flexural Modulus, psi (M Pa)	180,000 (1,250)	D-790
Izod Impact (Notched)		
@ 23°C ft.lb./in. (J/m)	3.0 (160)	D-256
<u>Thermal Properties</u>⁽¹⁾		
Heat Deflection, °C	95	D-648

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Corporate Office USA
P.O. Box 674411
Houston, TX 77267-4411
800.344.3462
www.totalpetrochemicalsusa.com

Technical Center
P.O. Box 1200
Deer Park, TX 77536
281.884.7500

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.