

POLYPROPYLENE 4280W Impact Copolymer

Total Petrochemicals Polypropylene 4280W is an impact copolymer with a low Melt Flow of 1.3 g/10min.

4280W polypropylene has a low fluidity providing melt strength with excellent impact properties. It is nucleated for added stiffness and surface hardness.

4280W is designed to be particularly suited for profile and sheet extrusion, extrusion-thermoforming and heavy-duty injection molded applications.

<u>Resin Properties</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	1.3	D-1238
Density, g/cm ³	0.905	D-1505
Melting Point, °C	160-165	A TOFINA Method

Mechanical Properties⁽¹⁾

Tensile, Strength at Yield, psi (M Pa)	3,600 (25)	D-638
Elongation at Yield, %	7	D-638
Flexural Modulus, psi (M Pa)	190,000 (1,300)	D-790
Izod Impact (Notched)		
@ 23°C ft.lb./in. (J/m)	No Break (No Break)	D-256
@ -20°C ft.lb./in. (J/m)	1.4 (70)	D-256
Charpy Impact Strength		
@ 23°C kJ/m ²	No Break	DIN 53453
@ -20°C kJ/m ²	8	DIN 53453

Thermal Properties⁽¹⁾

Vicat Softening Point, °C	152	D-1525
Heat Deflection, °C	93	D-648

4280W 10/05

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.