

Polypropylene

<u>Product Number</u>	<u>MFR</u>	<u>Features</u>	<u>Process/Markets</u>
<u>Homopolymers</u>			
TOTAL 3281	1.3	High melt strength, good clarity, good melt stability	Extrusion Blow Molding
TOTAL 3230	1.8	Exceptional color, optimal thermal stability and low odor. Antistat version (3230XZ) available	Injection Blow Molding
TOTAL 3230XZ			
<u>Random Copolymers</u>			
TOTAL 6289MZ	1.5	Excellent clarity and impact, with clarifier and antistat	Injection and Extrusion Blow Molding, hot-fill applications
TOTAL 6232	2	Good balance of stiffness and impact	Injection and Extrusion Blow Molding
TOTAL 7525MZ	10	Superior clarity and good impact, with clarifier and antistat	Injection Stretch Blow Molding
TOTAL 6823MZ	30	Superior clarity with clarifier and antistat	Injection Stretch Blow Molding
<u>Impact Copolymers</u>			
TOTAL 4180	0.7	Superior impact especially at low temp	Extrusion Blow Molding
TOTAL 4280W	1.3	Superior impact especially at low temp	Extrusion Blow Molding
<u>Metallocene</u>			
TOTAL M3282MZ	2.3	Superior clarity and excellent gloss	Injection Blow Molding

W = nucleated, Z = antistatic, M = clarified, C = slip, R = radiation stability

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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.

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