



TECHNICAL DATA SHEET (TDS)

MDPE MD5293

MEDIUM DENSITY POLYETHYLENE

OVERVIEW:

Rotational molding or injection molding, excellent impact strength, stress crack resistance procesability.

Applications: intermediate bulk containers, toys, general purpose custom molding, agricultural storage tanks, marine parts, indoor customer articles.

Complies with the specifications U.S. FDA 21 CFR 177.1640

ADDITIVE:

UV stabilization,UV-8 stabilizer package.

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10min	5.2
Specific Gravity	ASTM D792		0.937
Properties			
Tensile strength 2 at yield	ASTM D638	Psi	2720
1% Secant 2 Modulus	ASTM D790 B	Psi	95000
Impact Strength -40°, 0.125 in, Rotational Molded	ARM	ft-lb	59
Impact Strength -40°, 0.250 in, Rotational Molded	ARM	ft-lb	188
Deflection Temperature under Load ² (264 psi, Unannealed)	ASTM D648	°F	95.0
Deflection Temperature under Load ² (66 psi, Unannealed)	ASTM D648	°F	125
Melting Temperature (DSC)		°F	257

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