Maxxam™ MD 4245-1000

Polypropylene Copolymer

PolyOne Corporation

Message:

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc.

General Information			
UL YellowCard	E76261-101413511		
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight		
Features	Copolymer General Purpose Impact Modified		
Uses	Automotive Applications Construction Applications Consumer Applications General Purpose Industrial Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) [1] (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 1.5	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	20.7	MPa	ASTM D638
Tensile Elongation [3] (Break)	90	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	37.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	53	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	106	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	

Mold Temperature	16.0 to 50.0	°C

NOTE	
1.	Procedure A
2.	Type I, 51 mm/min
3.	Type I, 51 mm/min

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT