



Respond EX4290

Compounded Polyolefin

Product Description

Respond EX4290 thermoplastic elastomer is an engineered polyolefin with elastomeric behavior. It is designed for coextrusion and thermoforming applications where "soft touch" and flexibility are needed. This material is colorable, it can be supplied with or without UV stabilizers, and it may be recycled with other polyolefins.

Product Characteristics

Status	Commercial: Active	
Test Method used	ISO	
Availability	North America	
Processing Method	Extrusion Thermoforming	
Features	Soft, Good Colorability, Recyclable Material	
Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.95 g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	4.8 g/10 min
Mechanical		
Tensile Stress at Yield (50 mm/min, 150 x 10 x 4 mm specimen)	ISO 527-1, -2	7.5 MPa
<i>Note: 150x10x4 mm specimen</i>		
Flexural modulus (2 mm/min)	ISO 178	276 MPa
<i>Note: 80x10x4 mm specimen</i>		
Additional Information		
Mold shrinkage	ISO 294-4	
<i>Note: Please contact LyondellBasell for shrinkage recommendations.</i>		

Notes

Typical properties; not to be construed as specifications.

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Release Date: 27 Feb 2009