DOWLEX™ 2517

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ 2517 Polyethylene Resin is a narrow molecular weight distribution copolymer designed to offer good ESCR and low temperature properties with excellent flexibility. This resin has good processability over a wide range of molding conditions.
Linear Low Density Polyethylene
For lids, housewares and containers
Excellent low temperature flexibility, good ESCR
Complies with:
U.S. FDA FCN 424
Canadian HPFB No Objection (With Limitations)
EU, No 10/2011
U.S. FDA-DMF
U.S. USP 23
Consult the regulations for complete details.

General Information			
Agency Ratings	DMF not rated FDA FCN 424 HPFB (Canada) No Objection 2 USP 23 Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.917	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	4.00	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	9.65	MPa	ASTM D638
Fracture	8.96	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	ASTM D638
Fracture	600	%	ASTM D638
Flexural Modulus - 2% Secant	234	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Tensile Impact Strength [1]	399	kJ/m²	ASTM D1822

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	39.4	°C	ASTM D648
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	91.7	°C	ASTM D1525
Melting Temperature (DSC)	124	°C	Internal method
Peak Crystallization Temperature (DSC)	103	°C	Internal method
Additional Information			
根据 ASTM D 4976 进行基板模制和测试.			
NOTE			
1.	Type s		

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