DX845 PMP Granules

DX845 PMP granules provide high modulus, thermal stability, and releasability for rubber processing, tooling, and polymer formulation research. **SKU:** 1000023281-group
Product Code: ME31-GL-000105

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Good-Fair
Acids - dilute	Good
Alcohols	Good
Alkalis	Good
Aromatic hydrocarbons	Fair-Poor
Greases and Oils	Good-Fair
Halogenated Hydrocarbons	Fair-Poor
Halogens	Fair-Poor
Ketones	Good-Fair

Electrical Properties

Element	Value
Dielectric constant @1MHz	2.12
Dissipation factor @ 1kHz	0.0002
Volume resistivity(Ohmcm)	>10¹?

Physical Properties

Element	Value
Flammability	HB
Refractive index	1.463
Resistance to Ultra-violet	Poor
Limiting oxygen index(%)	17
Water absorption - over 24 hours(%)	0.01
Density(gcm?³)	0.835

Mechanical Properties

Element	Value
Hardness - Rockwell	R85
Elongation at break(%)	15
Tensile modulus(GPa)	1.5
Izod impact strength(J m?¹)	49
Tensile strength(MPa)	25.5

Thermal Properties

Element	Value
Heat-deflection temperature - 0.45MPa(C)	100
Heat-deflection temperature - 1.8MPa(C)	40
Lower working temperature(C)	20
Upper working temperature(C)	75-115
Specific heat(J K?¹ kg?¹)	2000
Thermal conductivity(W m?¹ K?¹)	0.17@23°C
Coefficient of thermal expansion(x10?? K?¹)	117