Rigid Close Cell Polyurethane Foam (DMJ-Spray500)

DMJ-spray-500 is a two-components, spray-applied, closed-cellpolyurethane foam system. This product is zero ozone DepletionSubstance with standard foaming agent, 141BFlame retardant standard,with density 30-55kg/m3 (1.85-3.45lb/ft^3) adjustedas per different project requirement, fire resistance is ClassB2.

With highly performance of thermal insulation, moisture & vapor barrier, airbarrier , load-bearing, PU foamcan give us a quieter,more energy saving buildings leading usto a healthier life. It appliesto all kinds of spray-applied thermal insulationengineering,such asbuildings exteriorand interior,cold rooms, large-scale pipelines, LNG or LPGships etc.

Physical Properties

Description	ISOCYANATE(MDI)	BLENDPOLYOLS
Appearance	Brownliquid	Lightyellowto browntransparentliquid
Hydroxylvalue	N/A	300-380 mgKOH/g
Viscosity	200-250mPa.S/20℃(68℉)	100-200 mPa.S/20℃(68℉)
Specificgravity	1.20-1.25g/ml(20℃(68℉))	1.12-1.20 g/ml (20℃(68℉))
StorageStability	250kg/drum	220kg/drum

Reactivity Properties

Materialtemperature:20℃(68℉)), theactualvaluevaried asperprocessingcondition

POL/ISORatio	by volume	1/1
Cream Time	S	3-5
Gel Time	S	6-10

In-place Foam Performances

Items	MetricUnit	Index	
SprayDensity	GB/T6343-2009	≥35kg/m^3	
CompressiveStrength	GB/T8813-2008	≥150KPa	
K-Factor(InitialR Value)	GB/T10295-2008	≤24mW/(m.K)	
AdhesiveStrength	GB/T16777	≥120KPa	
Closed-cellRate	GB/T10799-2008	≥90%	
DimensionalStability	GB8811-2008		
-20℃*24h		0.10%	
70℃*90%RH*24h		0.29%	
WaterAbsorption	GB/T8810	≤3%	
Fireresistance	141B	ClassB2	
Oxygenindex	GB/8426	⩾26%	

The data provided above are typical value, which are tested by our company. For our company's products, the data includedin the law do not have any constraints.