

Technical Data Sheets EPS 700

Epoxidized Polysulfide

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Description: EPS group are epoxy - terminated medium to high viscosity liquid polysulfide polymer

to use in formulation alone or together with other liquid solvent free and solvent

based epoxy resins to increase flexibility, adhesion and impact resistance

Properties:

Appearance	Viscosity (25°C -cPs)	EEW g/eq	Density (g/cm³)	Volatile Max%	Odor
Clear amber Light yellow	70000	335	1.15	0.5	mild

Curing:

these resins can be cured with almost any epoxy resins curing agents such as different types of aliphatic or cycloaliphatic amins and amides - acidanhydrides and etc...

The results of the different (EPS) ratio from 0 to 100 WT % in a general Epoxy resin (EEW-190)

EPS-Epoxy	0-100	20-80	40-60	60-40	80-20	100-0
EEW-g/eq	190	208	229.8	256.65	290.64	335
Curing agent F205(phr)	54.7	50	45.7	40.5	35.8	31
Hardness (shoreD)	84	83	81	60	25	20
Tg (c®)	92.58	118.91	98.42	90.09	35.27	47-78
Elongution at break%	None	2	6	40	65	80
Lap shear strength(psi)	704±111	1137±86	1563±121	1076±124	727±83	202±9

^{*100}gr mixture of resin and hardener in 25°c

Application: EPS group are used for manufacturing of flexible ,impact – resistant ,crack bridging

> and corrosion Resistant Coating, Adhesive, Sealant and Composite being used in industrial, marin and protective Coatings, Casting and tooling

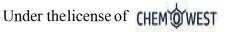
and high performance adhesives and sealant formulations

Packaging: EPS group polymers are available in 200 Liter drums, and 1000 Liter IBC

Storage& Shelf life: Store the container in cool and dry area, keep it closed when not in use .

Shelf life under appropriate storage conditions min 12 months





German technology

Legal Disclaimer:

All information ,appearing in this sheet is based upon test and data believed to be reliable,however It is the user's responsibility to determined the suitability for his own use of the products described here Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent All orders accepted shall be subjected to the standard conditions of sale of the manufacturing company .Polymeriran industry

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