ENCOR® 4500 ADHESIVES / PSA

| Product Application details | ENCOR [®] 4500 is a high solids acrylic latex, free from solvents, plasticizer. This product dries into a film showing pressure sensitive properties. | s and APE surfactants. |
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| | ENCOR [®] 4500 has been designed to be used in the production of perr This product can also be used to manufacture self-expandable foam tapes | |
| Performance Benefits | High solids with low viscosityVery high peel adhesion and tack | |
| | Good response to tackifiers | |
| | Rheology properties suitable for curtain coating machines | |
| Polymer Type | Acrylic Copolymer | |
| Sales | Solid Content at 105°C, % (ISO 3251) | 67 - 69 |
| Specifications | pH (ISO 976) | 4.5 - 5.5 |
| Specifications | Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm) (ISO 2555) | 800 - 2200 |
| Other Characteristics ¹ | Stabilizing system | А |
| | Tg (DSC), °C | - 47 |
| | Density / Specific Gravity at 23°C, g/ml (ISO 2811) | 1.02 |
| | Average Particle size, nm (ISO 13321) | <u>400</u> 31 |
| | Liquid Surface Tension (mN/m) 1 The data provided for these properties are typical values, intended only as guides, and should not be construed | _ |
| Typical Adhesive Properties ¹ | 180° Peel after 24h on SS, N/25mm (FTM 1) | 10 - 13 |
| | Loop tack on SS, N (FTM 9) | 9 - 11 |
| | Shear adhesion from SS, h (FTM 8 / 1kg, 1in ²) | > 50 |
| | Test settings: Backing: PET 50 μm ; Coating weight: 20g/m ² ; SS: Stainless Steel | |
| Formulation Guidelines | According to the involved coating system and the final application, addition of specific defoamers can be required. Compatibility has then to be carefully checked in advance. In the case of poor wetting it is suggested to decrease the surface tension with the addition of suitable wetting agents such as dioctyl sulfosuccinates. | |

ENCOR[®]

ARKEMA COATING RESINS

| Product Safety | Please refer to the corresponding Safety Data Sheet. |
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| Storage & Handling | ENCOR [®] 4500 should be stored indoors in the original, unopened and undamaged container, in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided. The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing. In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date |

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